



**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Application No.: 10/570835 Confirm. No.:  
Filing Date: 3/3/2006  
Inventor: Joachim ARZT et. al.  
Title: EXTRACORPOREAL ORGAN CONSERVATION  
Art Unit:  
Examiner:  
Attorney Docket No.: 06-022

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To: Commissioner for Patents  
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**Information Disclosure Statement for Non-English Language References**

An Information Disclosure Statement, PTO Form PTO/SB/08, filed concurrently with this paper, lists four prior art references. Reference 4 is in the English language and requires no further comments.


Reference 1 is an application publication of German Application DE 43 42 728 A1 and discloses a method, equipment, and perfusion solutions for the preservation of isolated organs, in particular, isolated human liver. The perfusion solutions contain a watery fatty emulsion, as well as a perfluorocarbon emulsion for the oxygen supply. FIG. 1 shows a liver (11) submerged in a bath of perfusion solution. Oxygen is supplied to the solution by the oxygen tank (4).

Reference 2 is an application publication of German Application DE 100 15 807 A1, which discloses a method and equipment for preserving the vitality of organs, limbs, and tissue lobes by perfusion. The method uses an extracorporeal circulation system

that includes a perfusate circulation system and a dialysate circulation system. The two systems are coupled by a semipermeable membrane (3). The perfusate circulation system supplies the organs, limbs, tissue lobes with oxygen-rich, arterial perfusate and cleans the venal perfusate. The dialysate coming from the membrane (3) is oxygenated in the dialysate circulation system and cleaned of metabolic waste, and then returned to the membrane (3). According to the invention, the pressure difference between the perfusate circulation system and dialysate circulation system is periodically raised and lowered, such that periodically the pressure between the two circulation systems changes. This promotes an exchange across the membrane (3) and improves the performance of the equipment with regard to preserving vitality.

Reference 3 is an application publication of European Patent Application EP 1 062 870 A2, which discloses a perfusion system for human or animal organs or body parts (14), particularly, the liver. The perfusion system includes equipment for supplying blood to the organs or body parts, and at least one receptacle (10) for the organs or body parts. The receptacle (10) includes an outer sack (11) and an inner sack (13), whereby the inner sack encloses the organ or body part and is then stored in the liquid-filled outer sack (11).

Respectfully submitted,



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(Use as many sheets as necessary)

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**Complete if Known**

Application Number	10/570,835
Filing Date	March 3, 2006
First Named Inventor	Joachim Arzt
Art Unit	
Examiner Name	
Attorney Docket Number	06-022

## U. S. PATENT DOCUMENTS

## FOREIGN PATENT DOCUMENTS

**Examiner  
Signature**

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				Application Number	10/570,835
				Filing Date	March 3, 2006
				First Named Inventor	Joachim Arzt
				Art Unit	
				Examiner Name	
Sheet	2	of	2	Attorney Docket Number	06-022

[illegible]

Examiner Signature		Date Considered	
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1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

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